The

National Geographic Magazine

AN ILLUSTRATED MONTHLY



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National Geographic Society

ORGANIZED, JANUARY 1888

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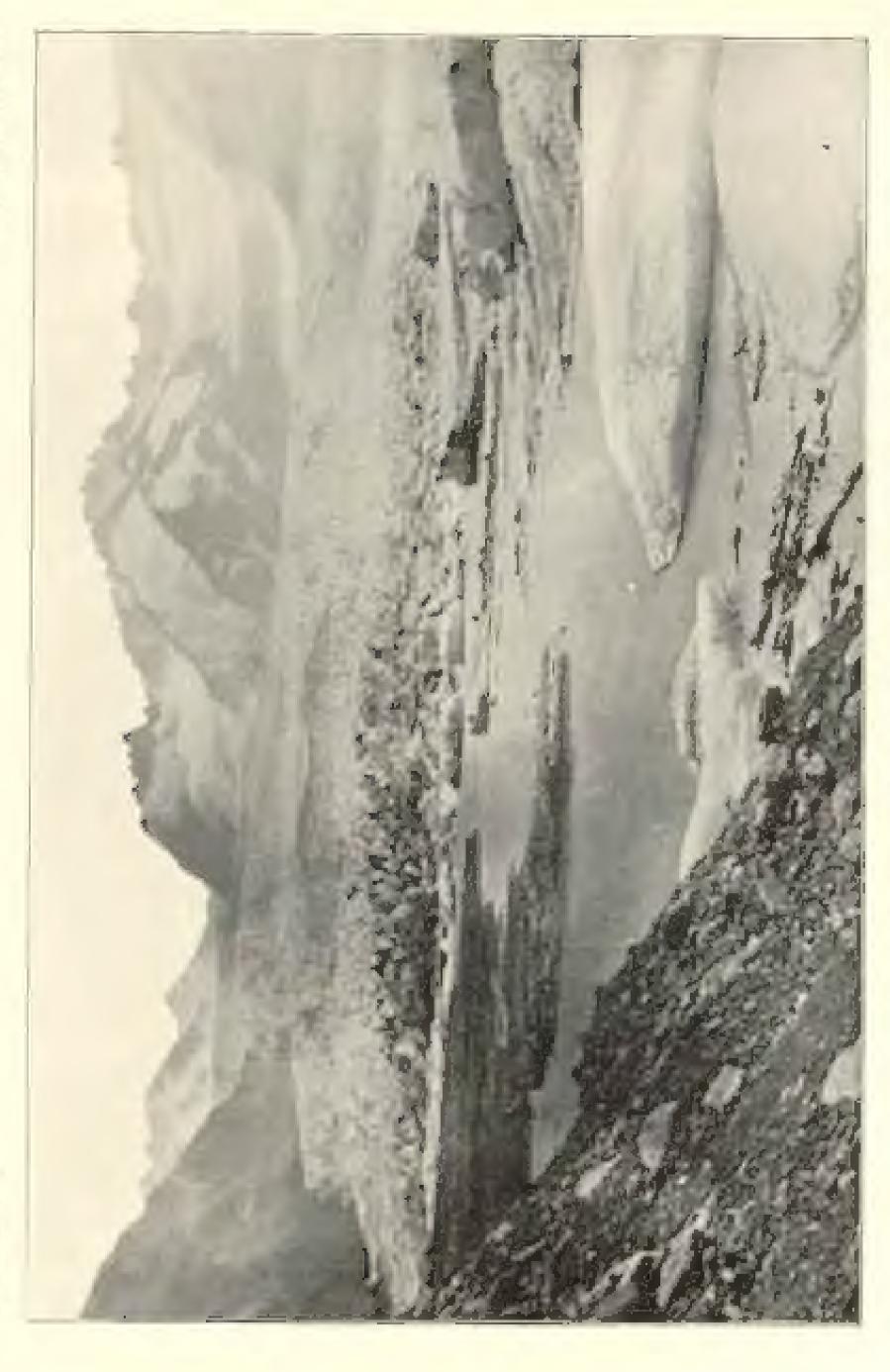
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SECRETARY'S OFFICE, 1817 H STREET N. W., WASHINGTON

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THE

National Geographic Magazine

Vot. VIII

SOVEMBER, 1807

No. 11

PATAGONIA

By J. B. HATCHER.

Patgeonia from the Spanon potogon a large or chancy foot is the name commencely applied to that person of South Amorica lying between the Negro to the north and the Stait of Magellan on the south, and conbuced by the Atlantic and Pacific occurs. It thus has an extent from north to south of about 1,000 miles and a maximum breadta of nearly 500 miles. The name dates from 1520, when Magellan, on his voyage around the world, observing near his winter quarters at San Julian certain large brunan footsteps [patagones] gave that name to the country.

And sugh Spanish settlements were founded at San Frups and at other places in lattagonia as early as 1579, more than forty years before the landing of the Pilgrims at Plymouth Rock, yet t is still a very sparsely settled and little known country, especially inconghout the interior of the central region. With the exception of the settlements along Rio Negro and the Welsh colonies on the river Chubut, there are no important estilements in the interior, and in the country lying to the south of the latfor stream the entire settlements are confined to a few sheep farms scattered along the onstern coast from Port Desire to Sandy Point (Punta Arouns) in the Strait of Magellan. On the western coast there are a few unimportant settlements at Otway Station. and Skiring Water in the extreme south; while on the north most of the settlements are confined to Chilos and the other larger islands. The western coast of the mainland and most of the interior is inhabited only by roving bamis of Indiana, which

in the former region include closely related tribes of Canon or Channel Indians who live almost entirely in small open boats of matice design, constructed with considerable skill from large pieces of bark, either from the antaretic deciduous beech (Figus antererior) or from the evergreen beech (F. betaloides), seen together with sinew or flexible wholelone. The latter is thrown up in counderable quantities along the shores of this coast. At present the Indians are usually clothed with bits of cheap calico fashioned into rude garments, that of the women resembling loose skirts suspended from the shoulders and usually extending somewhat below the knees. While for the most part the men and women are at present clothed with some sort of cloth, usually obtained by barter from the whites, yet examples are not entirely wanting of individuals still clinging, through choice or necessity, to that more primitive state in which a narrow girth about the loins is deemed sufficient, with sometimes the addition of a piece of seal skin held above by a single thong passing around the neck and over the shoulders, and below by another about the body, so that it may be readily shifted to any desired position necording to the direction of the wind. These Indians feed almost exclusively upon shell-fish which they are able to pick up along the shore, while the remains of an eccasional sed or seaotter cast up by the waves, or the same animals taken alive with their spears, sorve to vary their diet. Perhaps in no other people in the world are the actual necessities of life reduced to so few as among the Channel Indians of this region. With no constant habitation, they move about from one sheltered cover to another, so that their occupation of any particular place is entirely dependent upon, first, the abundance of the molluske upon which they live and, second (when these are well-nigh exhausted), upon the condition of the weather. On a few carriers sode in the bottom of their cances they keep constantly burning a grank fire, which always seems just on the point of going out; and over this they all bend when not engaged in collecting the animals for food, which they monally eat uncooked and without other preliminary preparation. For their eletter on land, notwithstanding the inclement weather that presails abuset continuously, they creek excondingly inclinent and primitive structures consisting of only a few branches of trees, the lower ends of which are stuck in the ground in an almost complete circle, while the upper ends are carelessly thatched together, thus forming a sort of low conical "wickrup" with an opening on one side. These, together with their cames, two small paddles with which the latter are proposed one or two spears or harpoons made of bone for the capture of seals, and one or more rather well formed vessels made of rushes and namely of the capacity of about a gallon (need in gathering shell-fish), fulfall all their domestic requirements. Notwithstanding the exceedingly primitive manner in which they live, it is evident from the great accumulation of shell heaps to many places periodically occupied by them that they have inhabited this region for a considerable period, during which little if any elteration has taken place in their habits and costons.



From a Franciscopy by J. H. Hanker

The Indian tribes east of the Cordilleras are of Tehuelche or Arancanian stock, and in general appearance, babits, and customs they are quite different from and far superior to those of the western coast. Ferbapa as a race to people in the world are better developed physically than are the Tehuelches of conthern and eastern Patagonia. White their size has been considerably exaggerated by many of the corner travelers, yet the fact remains that they are a large and physically well-developed race. The men have as average height of about five feet ten inches and the woman of about five feet six nelses. In both sexes the body is

well formed and while the features are without doubt for less striking than are those of certain of our trines of Indians, yet their countenances are usually such as to inspire confidence in their penceful intentions and to almy feelings of uneasiness in the mind of the traveler who may be unwillingly thrown among them. In the construction of facir "boldes" or tents they have advanced one step at least over that shown by many nomadio tribes living in North America or elsewhere, in that while having no permanent residences, they are nevertheless not entirely dependent upon the resources of the immediate vicinity in which they happen to locate for materials with which to construct their shelters, for they always carry with them a covering usually made of skins stitched firmly together in such a manner as to fit more or less precisely a framework of poles also carried for the pur-With some bribes of North American Indians these easily transportable habitations are known as "tipis," the frame of which consists of a series of long poles arranged in a large circle at the base and meeting above, where they interlock in such manuer as to afford mutual support, and on the outside of which the covering, formerly made of skins but now usually made of canvas, is stretched, thus forming a perfect cone whom closed. In all such babitations among our North American Indians, so far as I am aware this cutire inclosure is qualistructed by partitions, and continupt is made to divide the interior into separate compartments so as to afford a certain degree of privacy to individual members of the family.

The toldos or tests of the Tehuelehes are each usually compoved of the skins of about lifty adult guarates reused together in sections, which, when fitted together are so designed as to form the top, one side, and both ends of a huge box, one side of which is much higher than the other and is left open. The framework of this box consists of three papilled rows of poles. facked above, planted in the ground at a distance of about four feet from each other is the direction of the length of the bex and aix feet in the opposite direction. The poles forming the first row or that on the open side of the toldo are usually about seven feet in height, in the next row running through the middle of the interior, they are about five feet high, while three feet suffices for the series at the tear. In the forks of these uprights poles are laid, and over the whole the skin covering is stretched. These toldos are usually about twenty fest long by twelve feet in width. That portion of the interior between the two higher series of uprights may be considered as the living most, while in the rear and I partitions extend from each of the poets in the third row to the opposite one in the middle row, thus dividing this space into a series of sleeping compariments from four to six feet in width, and sufficient to accommodate one or two persons. I think this condition of affairs should be regarded as a decided advance over that found in other tribes with transportable habitations, and that it has had a decidedly beneficial influence upon the social relations of the Tehnolches I do not doubt. That we have here represented there are so in that development which has



From a Photograph by J. R. Blacker

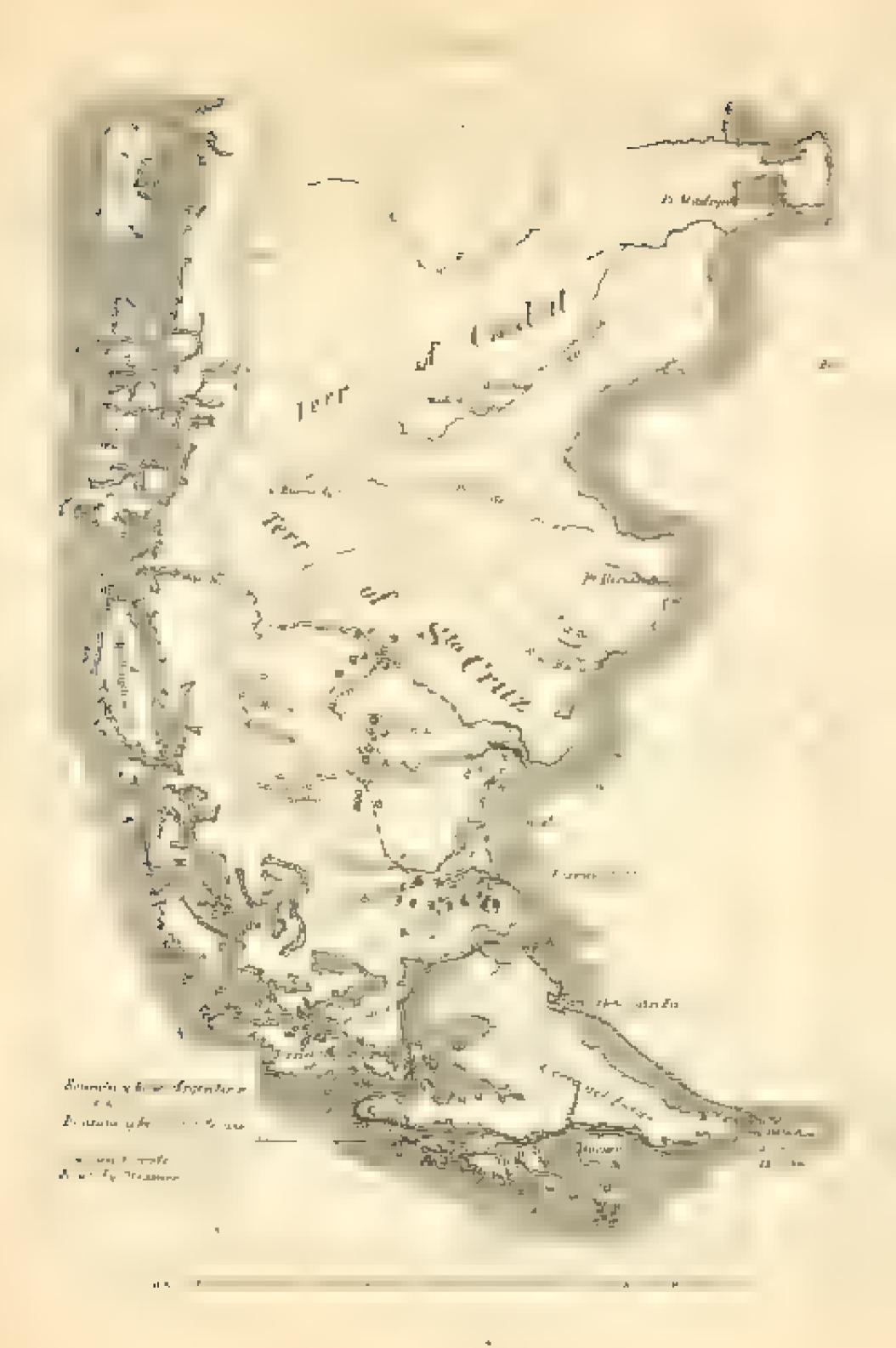
led up to the nineteenth century dwelling with all modern conveniences can harlly be doubted. Most primitive of the three is that of the Channel Indian, who once in each week or two throughout his entire life spends perhaps half an hour in gathering the branches to construct the rade "wicking" which forms has ideal of a domestic habitation.

The Tehnolches of southern Patagonia are almost entirely unacquainted with the use of firearms, but they have an abundance of horses and dogs, by the aid of which, together with their bollederes (bolds) they are able to capture guancess and estriches more than sufficient to supply them with food. From the skins of the contingent to supply them with food. From the skins of the coverings for their teldes, make their clothing and budding, and have sufficients left with which to manufacture the beautiful fur "capes" or maintain so highly prized by the Europeans. For the latter they consequently find a ready sale, from the proceeds of which they derive a revenue ample for the parchase of considerable quantities of "warhald," which those better qualified than my self to induce consider as very had a higher. Perhaps to some there will be a satisfaction in the reflection that "bad whisky, sooner or later, makes good Indians."

The surface of Patagonia is naturally divided by phy nographic features into two regions—an eastern comparatively level plains region and an extremely mountainous western region. The latter extends in a narrow strip throughout the entire length of Patagonia and exhibits everywhere intendely rugged mountains, clad at their bases with luxuriant forests, while their summits are forever covered with great fields of snow and ice, which form glaciers often descending for below timber-ins and constituting the sources of many of the numerous mountains torrents emptying into the Pacific, as well as most of the larger rivers of the eastern region, which after emerging from the mountains follow deeply eroded valleys in the plains and discharge their reuters into the Atlantic.

Politically Patagonia is divided into essentially the same districts as physiographically. The western or mountainous region belongs to Chile and is mostly included in the territory of Magellan with the seat of government at Punta Accoust. The eastern or plaine region belongs to Argentina and consists of the territories of Santa Cruz, Chubut, Rio Negro, and a part of Neuquen.

To the absence of exact knowledge regarding the real physical features of this region is due the vectations boundary dispute at present existing between Argentina and Chile. Formerly the lottler ranges of the Cordilleras were supposed to form the natural watershed of this entire region, and in the earlier boundary treaties accordated between the two countries it was stated that a line enumering the highest peaks which divide the waters of the Pacific from these of the Atlantic should constitute the national boundary line. It has since been ascertained that in many instances, at least, streams flowing into the Pacific cut entirely through the Cordilleras, and in some cases have their



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HATCHER'S WORK IN PATAGONIA

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M.J. M.

THE SUSHITNA RIVER, ALASKA

By W. A LIMERY

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sof foot schools old tax of cer moundances, free of the trive ranges are concernd and event also own as I buttet so of committeed a nile-

The best rather at front of this great peak is very broken and present in the could see cloth that the word fronts of several necessarid anombers. I have talked which shout that possing who have seen the great peak from the bash that valey in the

then trey have ever seen. One party who had been in the

of the mountains of that group.

The I dis make orking a raves wave called the the Bols and

tains at that portion of Alaska. It appears to the appear that

becalmed on a clear day on our retarn voyage

I has also a chance to compare to be glit and a stap with that of his I am a one clear day when we were comped on an island at the month of the month. Field glasses breaght out the

7 9

perord of the government chart, 190 moves nestant from our point of observation. Nothing and it is to a restance. But

р 1/2 д

About 90 to degree or how the lower forks the river as an infrared established for the lower fork secule to seculpy the

the larger and at certain seasons of the year carries the most water. In the lest days of June, July, and August the western bear of the transport of the med placers of the ranges a seat Mt McKinley, has receiving torrest, a flowing sea of madean anches carries carries in solution. Insteas who may ascended this branch say that a sout of in certa, it forks note two bearty or and streams. The southwestern branch they

lat managery eight og the footh or of the great range. They are town reverse. The her act we followed was the antide fork, which soon en-I ad suppressed from want we even garber from the ludinas that there was a waterfal. In the caffe t, but wish does not seem to be repids in which no boot could we. The wall fire exfor are bon at the base of the great walls. We assess test to emora turns poster about Mr M. Kim ey, which hove a little north of west The Copper R ver or Magazonic, I disas, who autable the dipper waters of the river, all tighes shat the per recerts made the headwaters of this oramade not far from the Tabutia. As the giver metal batts place the male governor of the past river routh of the horizon group of . and A ben Lant L. Albert muched the money (They be shelt conwere a parently nearly open in each the followed the krane is F 11 1 in core peed. The goes on to say that the a reasy dimin ration stasize ray d y so he sawe a ou st, and soo because west that 100 to eligible of a south profits of a substant from examples of the light with the Milmonskie or knik river down which the MidnorTo person for more best princer removed with a Stab the to trade. Looping on persons and relative and new persons for Millionskies of me agreemments.

The other in of the country has but latte game. For many a nore hear then any other large game, but did not kin any good, and the eight of good or nor shed upstream.

Rt GtON

Ly E. W. NEUSON

Inological Society 1 8, Department of Agroendance

Directly to years 1880 and 1881 the Alessa ton mercial tomprovincial a farster ling station on the upper Yukon, in Smitch terms my, it no great distance below the rout, of the K or like, where Jamson thy is now heated. It is station was called Fort Relam wheely was in charge of My L, N Methods in It was afterward abar doned and is powr to rous. Mr Methods estendens

developing a that is now taking place in distinction. When her Motjaestan rung of the Status in the string of the with his with he winters gathering of first pave him a Sign a Service standard out a nice thermore for and he hader ook to make a serves of days observations for me at Fort Relative during his stag there to the full part with the of them. Sign a serves of the properties of the full part with the of them.

of owngains on the apper Yaken is spring, and is of peculiar

needs by of the a precodensed reasoned described the recentary corresponds plurer to the . It is in this terms that were the case are of their are not review we that may

healty introken sheet of one for a little over six trontest. On May 17, at 4 a ma, the ice began resulting again and was still

CORRE "Start for St Mr. due t oncerow,"

Coring my resolutes at St Manuel from Jone, 1877, a June. I control from the Yukon traders that the resolution first

of navignal a glore and the enumne of the great river below. The far traders of the a oper Yukon usually sauried person as the river became pretty well freed from floating ice, and were a med or their navier the traders statement has not son. The attention of became usually reached too river month at about the saure the. By these me the river distanced in free, and

The data for she led to break away from the court persons the

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March 31. This is a mouth before they used to appear along

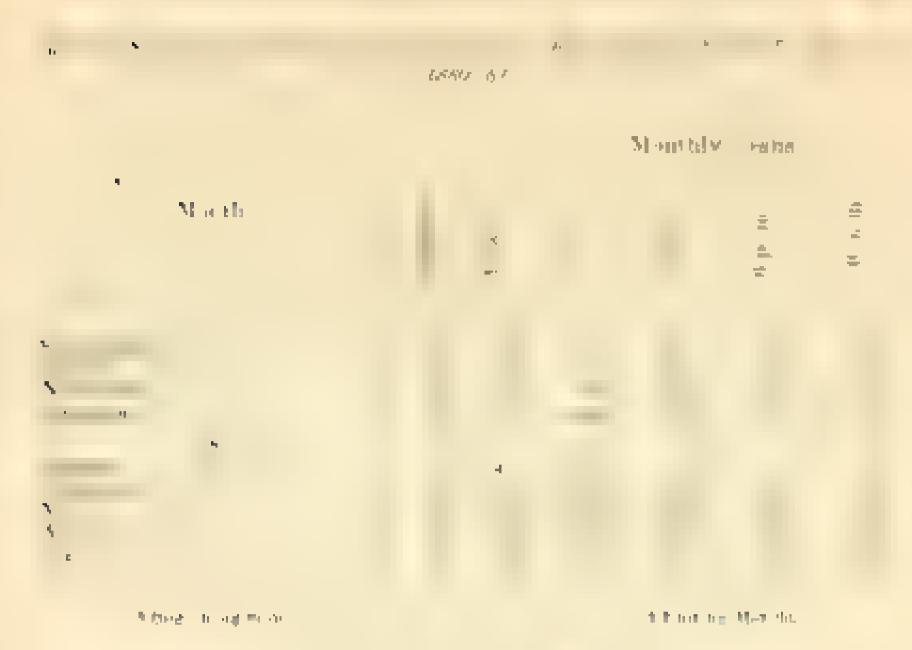
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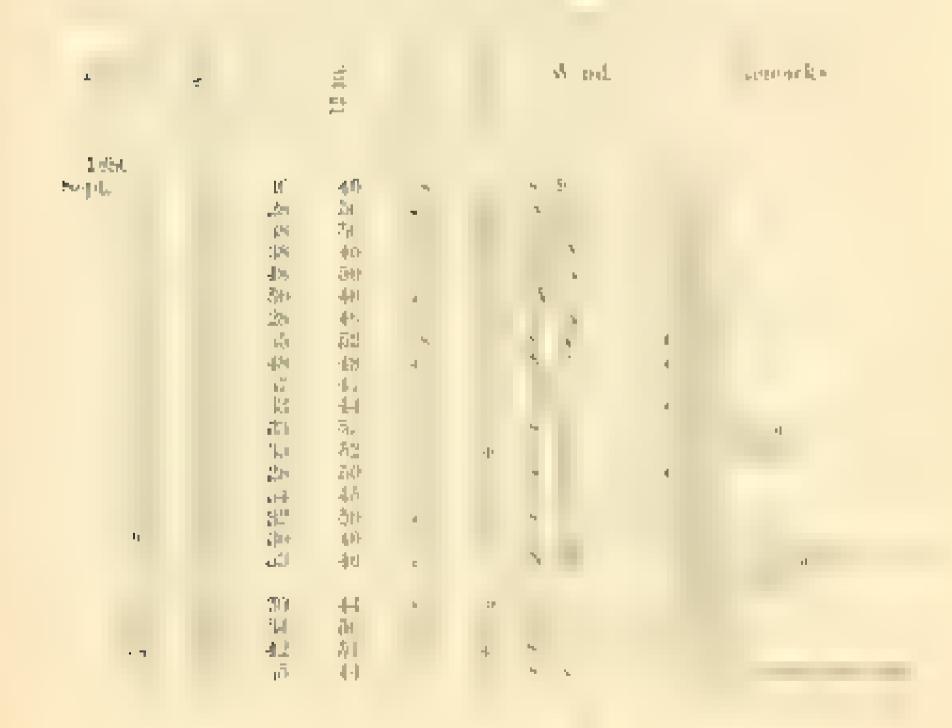
ne I was last season. Commoners with the lane nights that come on a Or ober the temperature said mendily, and in the comber was according greatest oil, of the winter, "G" on the 20th. In Jamuary occurred a strange and presonger apward

occup. Following toes during February there was another period of not used ad, which hereof wat I March I.—an this latter no of the object of the feturiang sun mendio strikingly ovident. The wilest runge of temperature in any monta (85°) was during March. The their name of the feel was a Fairney.

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responding DALA OBSERVATIONS



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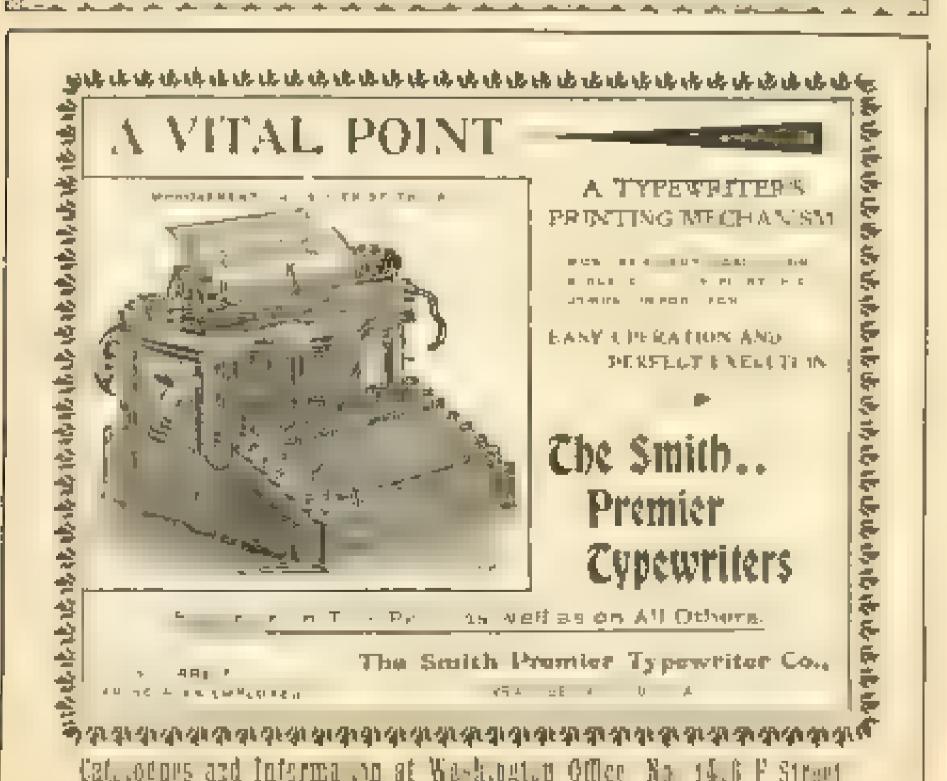
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